عنوان مقاله:
Modeling of steel hardening behavior in FEM software

محل انتشار:
چهارمین کنفرانس بین المللی مهندسی عمران، سازه و زلزله (سال: 1399)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:
In numeric analyses such as finite element method, correct modeling of material behavior is of great importance. In case of steels, it is theoretically assumed that this structural material has an elastic-plastic behavior while when the plastic behavior becomes critical, this estimation could lead to wrong conclusions. Therefore, modeling the hardening behavior of steel gains importance. This paper illustrates one of the many methods for steel behavior modeling. This .method has proved to be accurate and compatible to conventional FEM software

کلمات کلیدی:
isotropic hardening, kinematic hardening, finite element method, steel behavior